

BEDNAR, Blahoslav; BRAUN, Alexandr; HERMANSKY, Frantisek; STEJSKAL, Josef;
TRAPL, Jiri.

Atypical reticuloses. Acta Univ. Carol. [med.] (Praha) 9 no.2:
101-104 '63

1. I. patologickoanatomicky ustav fakulty vseobecneho lekarstvi
University Karlovy v Praze (prednosta: prof. MUDr. B.Bednar);
Laborator pro patofysiologii krvetvorne soustavy a jater fakulty
vseobecneho lekarstvi University Karlovy v Praze (vedouci: prof.
MUDr. V.Honig) a II. dermatovenerologicka klinika fakulty vse-
obecneho lekarstvi University Karlovy v Praze (prednosta: prof.
MUDr.J.Obrtel).

BRAUN, Alexandr; MALY, Vladimir

Relation of arteriosclerosis to central atherosclerosis. Acta
Univ. Carol. [med.] (Praha) 9 no.7:587-596 '63

1. I. patologickoanatomicky ustav fakulty vseobecneho lekar-
stvi University Karlovy v Praze (prednosta: prof. MUDR. B.
Pednar, DrSc) a Ustav pro prganisaci zdravotnictvi, fakulty
vseobecneho larkstvi University Karlovy v Praze (prednosta:
prof. MUDr, V.Prosek, DrSc.).

CHYZASZEWSKA, A.; BRAUN, A.

New analogs of lucigenin. Pt. 2. Acta chim 9:189-198 '64.

1. Department of General Chemistry of the Lodz University.
Presented Nov.1962.

BRAUN, Aleksandr

Some data on the pathologic anatomy of porphyria. Acta Univ.
Carol. [med.] (Praha) 10 no.3:173-209 '64.

1. I patologickoanatomický ústav fakulty všeobecného lékařství
University Karlovy v Praze (prednosta prof. MUDr. B. Bednar, DrSc).

L 05308-67

ACC NR: AP7000214

(N)

SOURCE CODE: PO/0099/66/040/002/0247/0255

BRAUN, A., DORABIALSKA, A. and REIMSCHUSSEL, W., of the Department of General Chemistry, University (Katedra Chemii Ogolnej Uniwersytetu), Lodz; Department of Physical Chemistry, Technical University (Katedra Chemii Fizycznej Politechniki), Lodz.

"Chemiluminescence of Lucigenin and its Four Analogues"

Warsaw, Roczniki Chemii, Vol 40, No 2, 1966, pp 247 - 255

Abstract (Authors' English Abstract modified): The rate of the chemiluminescence decay during the reaction of lucigenin and its four substitution derivatives H_2O_2 -NaOH was investigated. It was concluded that the substitution of methyl by phenyl increases the intensity of chemiluminescence oxidation rate.

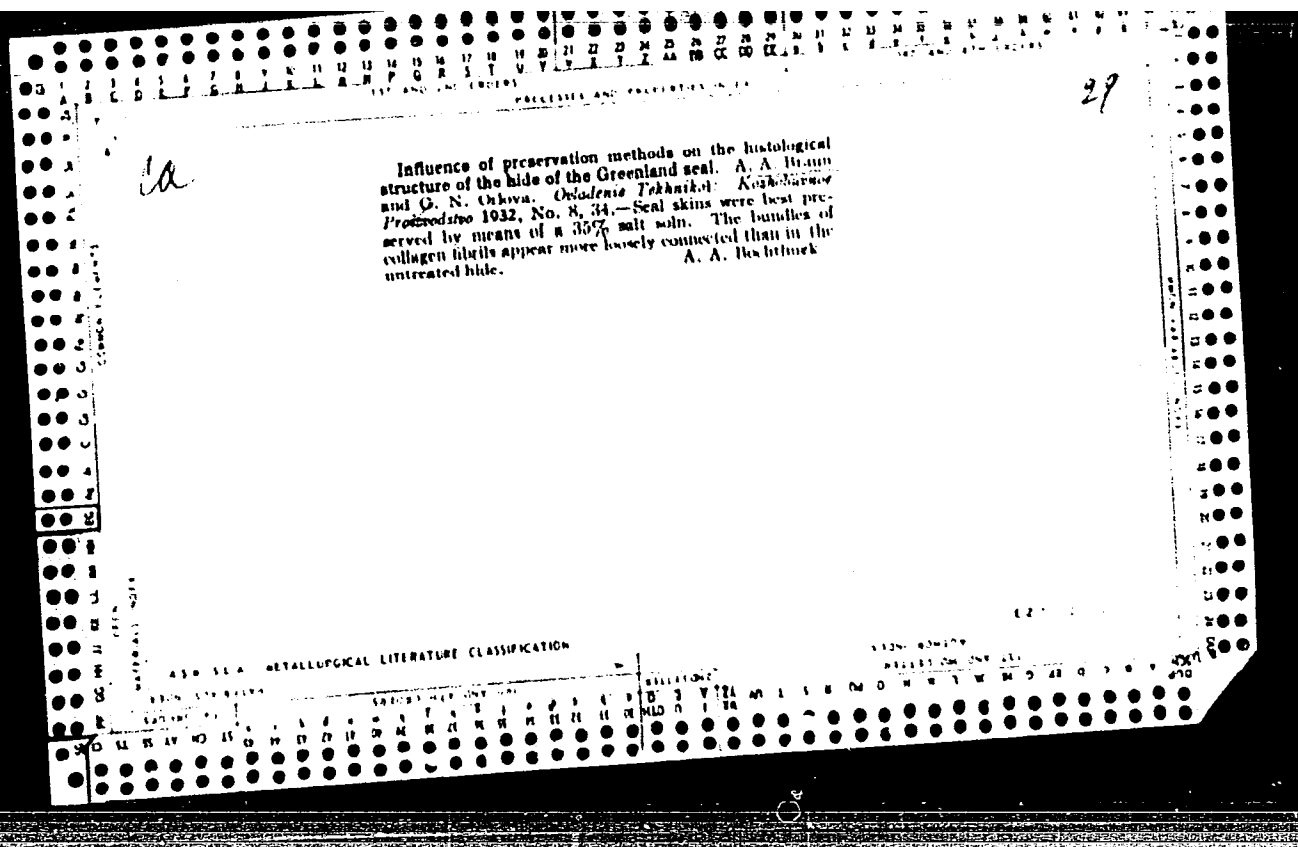
The authors thank Professor-Doctor A. Chrzasczevska for initiating the synthesis of the unknown analogue eucigenines. Further thanks goes to Professor W. Kirkor for permission to jointly work at the Department in the area of chemiluminescence. Orig. art. has: 4 figures, 1 formula and 2 tables. /JPRS: 36,002/

TOPIC TAGS: chemiluminescence, nonmetallic organic derivatives

SUB CODE: 07 / SUBM DATE: 30Mar65 / ORIG REF: 005 / SOV REF: 002

OTH REF: 010

Card 1/1 KH



1ST AND 2ND COVERS		3RD AND 4TH COVERS	
CA		PROCEDURES AND PROPERTIES INDEX Polarographic investigation of essential oils. Determination of citral in lemon oil. B. Ya. Ogryn and A. A. Braun. <i>Zashchita</i> Lab. 10, 467-9(1941).—D3. 0.2-0.3 g. of sample to 10 ml. with a soln. of $M NH_4Cl$ in 75% EtOH. Shake well for several min. and withdraw 1-2 ml. of the cloudy soln. through a filter into the electrolyzer. Pass H through the soln. for 10-15 min. and then take the polarogram in the interval of 1-1.5 v. Compare the height of the wave with the wave of a pure soln. of citral of definite concn. The potential of the half wave of citral is 1.43 v. and of citronellal 1.72 v. in $M NH_4Cl$ in 75% EtOH. B. Z. Kamich 17	
		ASB-11A METALLURGICAL LITERATURE CLASSIFICATION	
1ST AND 2ND COVERS		3RD AND 4TH COVERS	

bc

A-4

connective tissue layers of dermal part of skin in vertebrates
and their nomenclature. A. A. Marcus (*Compt. rend. Acad. Sci.
U.R.S.S.*, 1948, 66, 76-78).—A wide survey of the structure of
vertebrate skin leads to the conclusion that the dermis can be natu-
rally subdivided into three layers: (1) an external, subepidermal,
"trophic" layer richly supplied with loose connective tissue;
(2) an intermediate "mechanical" or "cutaneous" layer which is
the essential part of the dermis; and (3) an internal, deep, sub-
cutaneous "dermal" layer the function of which is to provide a mobile
contact between the mechanical layer and the underlying tissues.
Variations in these three layers in different parts of the body and in
different vertebrates are discussed.

J. D. B.

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSOR AND PROPERTIES INDEX																																																			
<i>Relation between epithelium and connective tissue in regeneration of skin overlying an inflammatory lesion. A. A. Brown (Comp. rend. Acad. Sci. U.R.S.S., 1944, 22, 212-216).—Portions of cellulose cellophane film, which produce aseptic inflammation and act as foreign bodies, were introduced into the subcutaneous lymph sacs of frogs and the effects on the overlying epithelium and the surrounding connective tissue were studied. The necrotic tissue produces a substance which stimulates the growth of the epithelium. If the epithelium reaches the foreign body before there is a marked reaction by the connective tissue the foreign body is epithelialized and eliminated.</i> J. D. B.																																																			
ASR-5LA METALLURGICAL LITERATURE CLASSIFICATION																																																			
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1ST AND 2ND ORDERS													3RD AND 4TH ORDERS												
PROCESSES AND PROPERTIES INDEX																									
<i>BC</i> <i>A-4</i> Histological investigation of skin. A. A. Bryun and G. N. Orlova (Compt. Rend. Acad. Sci. U.R.S.S., 1948, 87, 128-129).— 8-mm. skin fragments were transplanted from the head to the tail of mice. The regions were chosen to contain as much as possible in both junction and structure of the skin. Histological examination after a year showed that the structure of the transplants did not change in the new place if the healing was successful. C. J. C. B.																									
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BRAUN, A. A.

176T67

USSR/Medicine - X-Rays, Effects
Wounds, Healing

1 Aug 50

"Effect of Preliminary Roentgenization on the
Regeneration of the Epidermis of the Skin of
Rabbits," A. A. Braun, G. N. Orlova, Inst Exptl
Med, Acad Med Sci USSR

"Dok Ak Nauk SSSR" Vol LXIII, No 4, 849-852

Studies histological aspects of healing of open
wound on ear of rabbit, made day after local ir-
radiation of ear by roentgen rays in dose of 4,000
roentgens, th. erythemic dose being 600 roentgens.
Finds regeneration of normal structure of the

176T67

epidermis is produced at expense of its own path-
ologically changed cellular elements. Prints of 2
microphotographs.

176T67

BRAUN, A. A.

Chemical Abstracts
May 25, 1954
Biological Chemistry

③
Effect of ultraviolet irradiation on epidermis under conditions of local anesthesia. A. A. Braun and I. F. Prizhivolt (Kirghiz State Med. Inst.). *Doklady Akad. Nauk S.S.S.R.* 92, 835-8(1953). — Expts. with rabbits injected with novocaine prior to strong ultraviolet irradiation, showed that the disturbance of the action of the nervous systems at the local sites raises the sensitivity of the affected area to external effects such as ultraviolet light. G. M. Kosolapoff

BRAUN, A.A.; PRIZHIVYOT, I.F.

Mechanism of the protective effect of novocaine in ultraviolet irradiation of the skin. Biul. eksp. biol. i med. 38 no.9:73-76 S '54. (MLRA 7:12)

1. Iz kafedry gistologii (zav. prof. A.A.Braun) Kirgizskogo meditsinskogo instituta, Frunze.

(SKIN, effect of radiations on,
ultraviolet rays, protective eff. of procaine)

(ULTRAVIOLET RAYS, effects,
on skin, protective eff. of procaine)

(PROCAINE, effects,
protective, on ultraviolet rays irradiated skin)

BRAUN, A. A.

USSR/Experimental morphology

Card 1/1

Authors : Braun, A. A. and Krylenkov, K. M.

Title : Effect of preliminary X-raying the recipient in the homoplasty of rats' skins.

Periodical : Dokl. AN SSSR, 95, 6, 1351 - 1354, 21 Apr 54

Abstract : Experiments were performed on white rats in a laboratory to ascertain the causes of failure in skin homoplasty, since even those transplantings which seemed successful at the beginning fell off after 2 or 3 months. The authors believe that one of the main causes of failure lies in biological negativism towards homo-transplants by the recipient. Because the X-ray treatments of tissues exert retarding effect on the activity of the latter, the authors suggested exposing the recipients to X-rays before the homoplastic operation, which method proved to be quite successful. Microscopic pictures are included.

Institution : Kirgiz State Med. Inst.

Submitted : 6 Feb 54

Braun, A. A.

USSR/Medicine - Physiology

Card 1/1 Pub. 22 - 57/59

Authors : Braun, A. A., and Prizhivoyt, I. F.

Title : ~~XXXXXXXXXXXX~~
Effect of ultraviolet radiation on the epidermis during irritation of
the nerve lines

Periodical : Dok. AN SSSR 102/2, 405-408, May 11, 1955

Abstract : Experiments were conducted on rabbits and dogs to determine the effect of
ultraviolet radiation on the epidermis during the irritation of the nerve
lines. Results are described. Three USSR references (1951-1953). Tables.

Institution : Kirghiz State Med. Inst., Frunze

Presented by: Academician A. I. Abrikosov, February 5, 1955

USSR/Pharmacology and Toxicology - Antiinflammatory Agents.

V-8

Abs Jour : Ref Zhru - Biol., No 14, 1958, 66417

Author : Aydaraliyev, A.A., Braun, A.A.

Inst : Kirghiz State Medical Institute.

Title : The Effect of Plantago major on the Epidermis and on Wound Healing in an Experiment.

Orig Pub : Tr. Kirg. gos. med. in-ta, 1956, 3, 67-71.

Abstract : In 28 rabbits perforating wounds were created in the auricular conchae by means of a puncher. A study was made of the effect of an extract from the dried leaves of Plantago major on wound healing. Its stimulating effect on regeneration of the epidermis and the tissues of the skin was determined. An ointment prepared from this extract and lanolin had a much weaker effect. A decoction gave a very weak effect. -- A.G. Brusilovskaya

Card 1/1

- 28 -

USSR / General Problems of Pathology. Inflammatory
Processes.

U

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 46677

Author : Braun, A. A.; Magazanik, G. L.

Inst : ~~Not given~~

Title : Chemical Components in the Mechanism of Paraffin Applications Effecting the Healing of Skin Wounds in Experiments.

Orig Pub : Vopr. kurortol., fizioterapii i lechebn. fiz. kul'tury, 1957, No. 5, 71-75.

Abstract : No abstract.

Card 1/1

BRAUN, A.A.; ZEMLYANAYA, G.P.

Effect of hibernation on intravital staining of the organs of
a frog by neutral red in vivo and in vitro. Nauch.dokl.vys.
shkoly;biol.nauki no.4:76-78 '58. (MIRA 11:12)

1. Rekomendovana kafedroy biologii Kirgizskogo zhenskogo
pedagogicheskogo instituta imeni V.V.Mayakovskogo.
(HIBERNATION) (STAINS AND STAINING (MICROSCOPY)) (NEUTRAL RED)

X

BRAUN, A.A.

A.A. Zavarzin's theory of the parallelism of histological structures
[with summary in English]. Izv. AN SSSR, Ser. biol. no. 6:690-697

N-D '58

(MIRA 11:11)

1. Kirgizskiy gosudarstvennyy meditsinskiy institut g. Frunze:
(TISSUES)

BRAUN, A.A., MIKHAYLOV, V.P. (Kirovskiy pr., d.69/71 kv.36, Leningrad)

A.A. Zavarzin's and N.G. Khlopin's theories of tissue evolution
and the problem of their creative synthesis. Arkh.anat.gist. i
embr. 35 no.3:8-18 My-Je '58 (MIRA 11:7)

1. Meditsinskiy institut, kafedra gistologii, g. Frunze (for Braun).
(HISTOLOGY,
tissue evolution, theories (Rus))

BRAUN, A.A.; MAGAZANIK, G.L. [deceased] (Leningrad)

Influence of momentary and long-continued paraffin applications
on the epidermis and the epithelization of experimental skin
wounds. Vop. kur., fizioter. i lech. fiz. kul't. 24 no. 4:349-
354 J1-Ag '59. (MIRA 13:8)

(PARAFFINS--PHYSIOLOGICAL EFFECT)
(SKIN--WOUNDS AND INJURIES)

2. The Cause of heart failure from the cardiac point of view, is, for example, the second class of internal medicine (internal medicine), history of medicine (medicine).

BRAUN, A.A.; ZEMLYANAYA, G.P.

Effect of the stimulator of regeneration processes on the
epidermis of X-rayed rabbit skin. Nauch. dokl. vys. shkoly;
biol. nauki no.1:98-101 '62. (MIRA 15:3)

1. Rekomendovana kafedroy biologii Kirgizskogo zhenskogo
pedagogicheskogo instituta im. V.B. Mayakovskogo.

(X RAYS—PHYSIOLOGICAL EFFECT)
(EPIDERMIS)

BRAUN, A.A. (frunze, Kirgizskaya SSR, ul.Bokombayeva, 144,kv.1)

Histological changes in implants of granulated muscle tissues. Arkh.
anat. gist. i embr. 40 no.6:23-30 Je '61. (MIKA 15:2)

1. Kafedra gistologii (zav. - prof. A.A.Braun) Kirgizskogo gosudar-
stvennogo meditsinskogo instituta, Frunze.
(MUSCLES__TRANSPLANTATION)

BRAUN, Alexandr; POLACEK, Lev; RUDOSKY, Oleg

Unusual course of porphyria with the clinical picture of subacute anterior poliomyelitis. Acta univ. carol. [med.] 8 no.1:3-11 '62.

1. I. patologickoanatomický ústav fakulty všeobecného lékařství University
Karlovy přednosta prof. dr. B. Bednar Neurologické oddělení nemocnice
v Praze 1, na Františku 8, přednosta primář dr. L. Polacek.
(PORPHYRIA) (POLIOMYELITIS)

BRAUN, A.A., prof.; SHAPIRO, B.M., dotsent

Development of medical science in the Kirghiz S.S.R. Sov. zdrav.
Kir. no.4/5:9-19 J1-0'63 (MIRA 17:1)

BRAUN, A.A.; TEZKEBAYEV, S.D.

Regeneration of preliminarily irritated tissues. Trudy KirgNOAGE
no.2:22-24 '65. (MTRA 18:11)

1. Iz kafedry gistologii (zav. - prof. A.A. Braun) Kirgizskogo
gosudarstvennogo meditsinskogo instituta.

BRAUN, A.A.; LOBANOVA. V.N.

Role of tissue neoformation and intercalary growth in the healing
of skin defects. Trudy KirgNOAGE no.2:25-27 '65.

(MIRA 18:11)

1. Iz kafedry gistologii (zav. - prof. A.A.Braun) Kirgizskogo
gosudarstvennogo meditsinskogo instituta.

BRAUN, A.A.; BISEMBIN, D.D.

Seasonal changes in the microstructure of the thyroid gland in sheep and cows. Trudy KirgNOAGE no.2:88-90 '65.

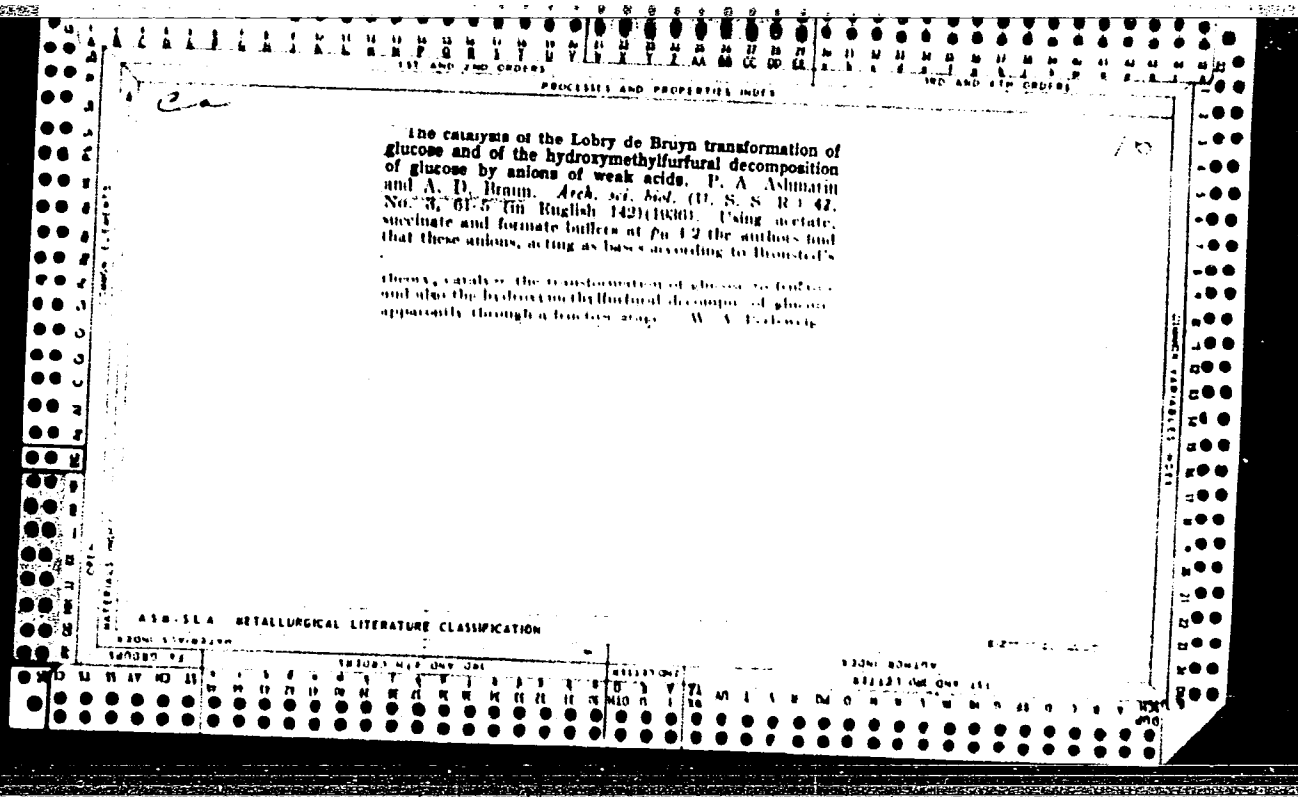
(MIRA 18:11)

1. Iz kafedry gistologii (zav. - prof. A.A.Braun) i kafedry obshchey khirurgii (zav. - prof. I.K.Akhunbayev) Kirgizskogo gosudarstvennogo meditsinskogo instituta.

7

Microdetermination of phosphorus. *I. L. Braun*
Trudni Vsesoyuznogo Inst. Eksp. med. 1, No. 3, 171
 (in German 174) (1934).--The method is a modification
 of the Fiske-Sulbarow method in which the mixt. of
 sulfite and bisulfite has been replaced by 30% soln. of
 formaldehyde. The formaldehyde reagent consists of
 0.05 g. of eiconogen, 25 cc. of 30% formaldehyde, 20 cc.
 10 N H₂SO₄, and water to bring the vol. to 100 cc. The
 molybdate soln. consists of 2.5 g. of (NH₄)₂MoO₄, 5 cc.
 of 10 N H₂SO₄, and water to bring the vol. to 100 cc.
 Green coloration is produced by the reaction. The
 percentage of error in detns. does not exceed 2.3%.
 N. N. Menshuk

ASD-11-A METALLURGICAL LITERATURE CLASSIFICATION



1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIABLES INDEX																									
Reaction between monosaccharides and phenylhydrazine in the presence of sodium bisulfite. A. D. Braun. <i>Biokhimiya</i> 2, 801-7(1937).—The addn. of NaHSO₃ to a mixt. contg. ketoses and aldoses blocks the aldehyde group of the aldoses, but leaves untouched the keto group of ketoses. PhNHNH₂, under these conditions, will react only with ketoses. Thus, to 1 cc. of a 10% fructose soln. is added 3 cc. of water, 0.6 g. NaHSO₃, and the mixt. allowed to stand for 2 hrs. at 10-12°. There is then added 0.4 g. PhNHNH₂. In about 20-30 min. yellow crystals begin to form, and after 24 hrs., the contents of the test tube solidify. Under the same conditions, no crystals are formed, even after 6 days, when solns. of glucose, galactose, mannose and arabinose are used. This test can be used to show the Lobry de Bruyn trans- formation of glucose into fructose through the action of anions of weak acids. H. Cohen																																																			
Dept. of Biochemistry, Univ. Leningrad ASR-51A METALLURGICAL LITERATURE CLASSIFICATION																																																			

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX		OPEN MATERIALS INDEX	
A		A method for the determination of fructose and hydroxymethylfurfural when both are present. A. D. Braun. <i>Byull. Eksp. Biol. Med.</i> (U. S. S. R.) 3, 454-6(1937); <i>Khim. Referat. Zhur.</i> 1, No. 2, 112 (1938). At 35° fructose reacts with $(C_6H_5)_3NH$ much more slowly than hydroxymethylfurfural. This fact is used for the volumetric detn. of fructose and hydroxymethylfurfural. To prep. the reagent, dissolve 2 g. of $(C_6H_5)_3NH$ in a mixt. of 125 ml. C_6H_5OH and 50 ml. concd. H_2SO_4 . Use 3 ml. of the reagent for 1 ml. of the soln. to be tested. Compare the color (when the soln. is slightly heated, and when it is heated in a boiling water bath for 30 min.) with the standard color obtained from standardized solns. of fructose and of hydroxymethylfurfural.		7	
B		W. R. Henn			
ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION					
SABORD #2		LITERATURE REF. ONLY USE		RELATIONSHIP	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	

111 AND 112 (INDEX) PROCESSED AND PROPERTIES INDEX

24

The catalysis of transformations and of decompositions of glucose by the action of anions of weak acids. IV. The separation of aldoses from fructose obtained from glucose, and the identification of fructose as osazone. I. A. Ashmarin and A. D. Braun. *Bull. Eksp. Biol. Med.* 4, No. 4, 374 6(1937); *Khim. Referat. Zhur.* 1, No. 8-9, 27(1938); cf. C. A. 31, 8513. - Glucose was transformed into fructose by the addn. to a 2% glucose soln. of 0.5 N NaOAc and 1.75 N AcOH, and keeping the mixt. in the thermostat at 40-5°. After 4 days 50 g. of NaHSO₃ was added, and the soln. was cooled and poured into 600 cc. of alc. The bisulfite compd. of glucose was pptd., and the fructose remained in soln. The filtrate was evapd. *in vacuo*, and the fructose identified as the methylphenylosazone (m. 205-7°). W. R. Henn

COMMON ELEMENTS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200

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701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800

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1ST AND 2ND ORDERS																									
PROCESSES AND PROPERTIES INDEX																									
Anions of weak acids as catalysts in the formation of lactic acid from sugars. A. D. Braun. <i>Biokhimiya</i> 3, 583-9(1938).—A preliminary report on lactic acid formation from glucose and fructose in acetate and formate buffer solns. The rate of lactic acid formation is proportional to the concn. of NaOAc. Formates are less active catalysts than acetates. Lactic acid constitutes only a small fraction of the total acids formed. Under the same conditions, fructose yields more lactic acid than glucose. H. Cohen																									
Dept. of Biochem. Leningrad Branch, U.S.S.R.																									
ASS. SLA METALLURGICAL LITERATURE CLASSIFICATION																									

COMMON CATEGORIES		PROCESSING AND PROPERTY INDEX		COMMON CATEGORIES	
MATERIAL INDEX		MATERIAL INDEX		MATERIAL INDEX	
Acid catalysis of the dehydration reaction of creatine. 1. A. D. Braun and A. M. Alekseyeva. <i>Bull. biochem. sci.</i> 1968, 3, 400-3 (in German). Solns. of 200 mg.% of creatine (I) were sealed in glass tubes with varying concns. of AcOH and HCOOH in buffered soln. The tubes were heated 5 min. in a boiling water bath and the creatinine (II) was detd. colorimetrically with alkali and picric acid. With acetate and AcOH concns. of 0.074 and 0.067, 0.250 and 0.306, and 0.069 and 0.067 mol. at pH 4.5 the amts. of II found were 51, 24 and 11.7 mg. %, resp. With concns. of AcOH of 0.306 mol. and varying acetate concns. of 0.306, 0.250 and 0.074 mol., at pH 4.0, 4.5 and 5.0 resp., the amts. of II were 31, 24 and 23 mg. %, resp. With concns. of acetate of 0.250 mol. and varying AcOH concns. of 0.0665, 0.306 and 0.0660 mol. at pH 4.0, 4.5 and 5.0, resp., the amts. of II were 35, 24 and 14 mg. %, resp. With concns. of acetate and AcOH of 0.5 and 1.758, 0.25 and 0.0665, and 0.1 and 0.425, and concns. of formate and HCOOH of 0.5 and 0.1508, 0.25 and 0.081, and 0.1 and 0.030 at pH 4 the amts. of II formed were 59.5, 47.5, 33.0, 39.7, 30.4 and 22.7 mg. %, resp. It is highly probable that the conversion of I into II in the animal organism is catalyzed by nondissoc. acids or proteins not assocd. with hydro-min ions. S. A. Karjala					
ASB-31A METALLURGICAL LITERATURE CLASSIFICATION					
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PROCESSING AND PREPARATION SHEET																									
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A method for the determination of fructose and hydroxymethylfurfural when both are present. A. D. Braun. <i>Bull. biol. med. appl. U. R. S. S. 3</i>, 423-6 (1930) (in German). -- See C. A. 33, 5774. G. G.																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
STANDARD 11																									
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1ST AND 2ND COLUMNS		PROCESSES AND PROPERTIES INDEX		3RD AND 4TH COLUMNS	
BC				P-3	
Reduction of ketones to hydroxyalkylaldehydes. A. D. Rosen (Biochimica, 1959, 4, 276-282).—The formation of hydroxyalkylaldehydes from ketones is cata- lyzed by acids, whilst the similar transformation of aldo- ketones requires the presence of both acid and base. Alkali transforms the aldoketone into the epimeric ketone, which is then converted by the acid into the aldehyde derivative. J. N. A.					
Inst of Biochem of the I. P. Pavlov Med Inst., Leningrad					
ASB-31A METALLURGICAL LITERATURE CLASSIFICATION					
FROM SYNDICATE		FROM BOWING		FROM BOWING	
1ST AND 2ND COLUMNS		3RD AND 4TH COLUMNS		5TH AND 6TH COLUMNS	
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z		A B C D E F G H I J K L M N O P Q R S T U V W X Y Z		A B C D E F G H I J K L M N O P Q R S T U V W X Y Z	

PROCESS AND PROPERTIES INDEX																									
<i>CA</i> <i>110</i> Influence of dysentery toxin on phosphorylation of glycogen and hydrolysis of adenosine triphosphate in muscle tissue. A. D. Il'ina and M. Ya. Ratner. <i>Biofizika</i> 7, 171-9 (1942).—A slight decrease of hexa-phosphate and adenosine triphosphate takes place in the muscle of mice poisoned with dysentery toxin. The decrease is due to the weakening of the enzymic reactions of phosphorylation. When muscle exts. are used, the dysentery toxin exerts no effect on phosphorylation. No effect is likewise observed <i>in vitro</i>, with minced muscle exts. An increase of 5-40% in the activity of adenosine triphosphatase is observed in the muscles of animals poisoned with dysentery toxin. H. Priestley																									
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																									

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PROCESSES AND PROPERTIES INDEX																																																			
COMMON ELEMENTS																										11A																									
CA the binding capacity of native and denatured proteins for dyes. Andersen <i>Biochimica</i> 13, 409-10 (1948). — Dead and wounded cells are more intensely colored by dyes than are normal, healthy cells. The new method of testing the binding power of proteins for dyes consists in measuring the degree of diffusion of the dye into a gel (5 or 20% gelatin) at 2-4°. The diffusion is retarded when the dye soln. also contains a protein. Egg globulin and myosin combine more readily with methyl violet than do egg albumin, serum proteins, and gelatin. Dilm. of the protein solns. or their denaturation increases the binding capacity for dyes. By this test, myosin already shows some degree of denaturation at 30°. The new method is recommended for ascertaining early stages of denaturation. — H. Priestley <i>mbr, cytology Lec, inst exp. Med</i> <i>Lennox</i>																																																			
OPEN MATERIALS INDEX																																																			
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
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BRAUN, A. D.

PA 36/49T6

USSR/Chemistry - Dyes
Chemistry - Myosin

Sep 48

"Bonding of Dyes by Native and Denatured Myosin
Fibers," A. D. Braun, Lab of Cytol, Inst Experi-
mental Med, Acad Sci USSR, 4 pp

"Dok Ak Nauk SSSR" Vol LXII, No 2

Established influence of denaturing on bonding of
dyes by native and denatured myosin fibers. Dis-
cusses ability of myosin to secure denatured fibers
to triphenylmethane dyes. Describes methods of
obtaining fibers of equal width and length. Sub-
mitted by Acad L. A. Orbeli, 17 Jul 48.

36/49T6

CA

118

Toxicity of dyes and their binding by natural proteins.
A. D. Braun and N. L. Fel'dman. *Doklady Akad. Nauk S.S.S.R.* 68, 757-60 (1910); cf. C.A. 43, 1073g.
Detn. of the threshold of sensitivity of frog muscle after immersion in aq. solns. of a variety of dyes in comparison with the binding of the dyes by myosin (detd. by diffusion of the free dye into gelatin from its mixt. with the protein, according to Braun (C.A. 43, 1073g) showed a close correspondence between the 2 properties. In Ph₂CH series toxicity declines from malachite green to crystal violet and further to fuchsin, which corresponds to the protein-binding power. In oxazine dye group, the order is: Nile blue hydrochloride, followed by the sulfate, followed by cresol blue. In azine dyes the order is: Tannin heliotrope, safranin, neutral red, while the thiazines are arranged: methylene blue, toluidine blue, and in the xanthene series the order is: Iriamine, pyronine, rhodamine; the latter compd. is exceptional in that with lowest toxicity it is the most readily absorbed member of the series. The binding by proteins is not limited to myosin, but occurs similarly with egg globulin and egg mucin. Generally, increase of no. of Ph groups increases toxicity and protein binding. G. M. Kosolapoff

BRAUN, A. D.

Braun, A. D., Savost'ianova, M. V. and Morozova, R. I. The spectro-photometric study of decolorization of tri - phenyl - methane dyes in an alkaline medium and in the presence of albumen. Pages 536 - 541.

SO: Bulletin of the Academy of Sciences, Izvestia, (USSR) Vol. 14, No. 4.
(1950) Series on Physics.

USSR.

rapid method for determination of urinary creatine.
A. D. Braun (Inst. Obstet. and Gynecol., Acad. Med. Sci.
U.S.S.R., Leningrad). *Byull. Eksp. Biol. i Med.* 38, No.
10, 73-6 (1954).—Addn. of concd. HCl reduces the time
necessary for conversion of creatine to creatinine to 2.5-3
min., 7 min. less than the time required when an autoclave
is used. Strict adherence to given instructions must be
observed if errors are to be avoided. Reagents: 14.5%
NaOH, concd. HCl, not less than 37% (11.5-12N), satd.
picric acid soln. which is prepd. by dissolving 14-15 g. in
1000 cc. hot water (70-80°), filtering, and preserving in dark
bottle. Only the clear supernatant fluid is to be used.
Technique: 3 tubes marked creatine (I), creatinine (II), and
control (III) are used. I receives 0.2 cc. HCl, 2.0 cc. H₂O,
and 0.2 cc. urine, II 0.2 cc. HCl and 0.2 cc. urine, III 0.2 cc.
HCl. All 3 tubes are heated for 3 min. in a boiling water
bath and cooled. I receives 0.6 cc. satd. picric acid soln. and
1 cc. NaOH, II 2 cc. water, 0.6 cc. of picric acid, and 1 cc.
NaOH, III 2.2 cc. water, 0.6 cc. picric acid, and 1 cc. NaOH.
After 6-10 min., 6 cc. of water is added to each tube and the
colors read in photocolormeter. Thorough mixing after each
addn. is essential; laxity will introduce a considerable error.
The 3-min. boiling time must not be exceeded, otherwise the
liquid may become dark brown on account of concd. HCl
and prove unsuitable for photocolormetric reading.

A. S. Mirkin

BRAUN A.D.

ANDRIYASHEVA, N.M.; BAKKAL, T.P.; BEKKER, S.M.; BOGDANOV-BEREZOVSKIY, V.V.;
BRAUN, A.D.; VASILEVSKAYA, N.L.; GANUSENKO, M.N.; GARMASHEVA, N.L.;
DEMIGHEV, I.P.; DRIZGALOVICH, S.Ye.; KALININA, N.A.; KORSAKOVA, G.F.;
KRYZHANOVSKAYA, Ye.P.; MIROVICH, N.I.; PROROKOVA, V.K.; PUGOVISHNI-
KOVA, M.A.; RESHETOVA, L.A.; SVETLOV, P.G.; UTEGENOVA, K.D.; KHECHI-
NASHVILI, G.G.; SHVANG, L.I.; GARMASHEVA, N.L., professor, redaktor;
RUDAKOV, A.V., redaktor; RULEVA, M.S., tekhnicheskij redaktor.

[Reflex actions in mother-fetus interrelations] Reflektornye reaktsii
vo vzaimootnosheniakh materinskogo organizma i ploda. [Leningrad]
Gos. izd-vo med. lit-ry. Leningradskoe otd-nie, 1954. 266 p. (MLRA 7:10)
(Pregnancy) (Embryology)

BRAUN, A.D.

Adenosinetriphosphatase of the uterus. A. D. Braun and N. I. Mirovich. *Vopr. Med. Khim.* 1, No. 1, 48-53(1955); *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 18237.—The adenosinetriphosphatase (I) of the uterus of rabbits and rats can be extd. nearly 100% with H₂O from ground uterus tissue. This characteristic sharply differentiates the uterus from the skeletal tissue. I activity is the same over a wide range of pH(4.0-10.0). The uterine tissue exts. split off 2 phosphate groups from adenosinetriphosphate. There remains in the muscles of its uterus, even 24 hrs. after death, 80% of the original I activity. Mg⁺⁺ and cysteine enhance the activity of I of the uterus. One full hr. at 55° is required for the complete inactivation of I of the uterus. It is concluded that the amt. of proteins in the muscles of the uterus, which are similar to myosin and actomyosin of the skeletal muscles, is not significant. During pregnancy I of the uterus is reduced by 30-40%. I of the uterus varies with different animal species. In rats I of the uterus is higher than in their skeletal muscles, while in rabbits the quant. relation of the I of the uterus and of the skeletal muscles is reversed. B. S. Levine

(2)

med ✓ Creatinuria in nonpregnant and pregnant rats subjected to irradiation. Z. N. Zhukhova and A. D. Braun. Med. Radiobiologiya 1, No. 3, 80-84 (1954). The total irradiation of rats with Röntgen rays (500 r.) produced a creatinuria which progressed in a manner parallel with the gravity of the clinical symptoms of the resulting radiation disease. The level of creatinuria in Röntgen-ray-irradiated mice progressively rose in the following order: non-pregnant mice < mice 11-12 days pregnant < mice in later period of pregnancy. B. S. Levine

Hd. Biochem Lab, Inst. Obst. + Gynecol. AMS USSR
Dr. Biol. Sci.

BKAUN, A.P.

Creatinuria in women post-partum. A. D. Braun, T. A. Akhmeteli, and N. I. Mirovich (Inst. Obstet. and Gynecol., Acad. Med. Sci. U.S.S.R., Leningrad). *Voprosy Med. Khim.* 2, No. 1, 84-8 (1958).—Of 104 women observed post-partum, 70 showed creatinuria; this was tabulated by age, parity, and duration of labor. The authors conclude that it is an indicator of disturbed metabolism.
Cyrus C. Sturgis, Jr.

BRAUN, A.D.; MIROVICH, N.I.

Contractile proteins of the myometrium. Vop.med. khim. 2 no.3:
188-197 My-Je '56. (MLRA 9:10)

1. Laboratoriya biokhimii Instituta akusherstva i ginekologii
AMN SSSR, Leningrad.

(MUSCLE PROTEINS,
hysteromyosin in uterus (Rus))
(UTERUS, metabolism,
hysteromyosin (Rus))

Country : USSR
 Category : Human and Animal Physiology, Physical Factors T
 Abs. Jour. : Ref Zhur Biol, No. 2, 1959, No. 8589
 Author : Zhakhova, Z.N.; Braun, A.D.
 Institut. : ---
 Title : Creatinuria in Pregnant and Nonpregnant Rats
 After Exposure to Penetrating Radiation.
 Orig Pub. : Tr. Vses. konferentsii po med. radiol. Klinika i
 terapiya luchevoi bolezni. M., Medgiz, 1957, 47--
 51.
 Abstract : In rats maintained on a creatine-free diet,
 increased creatinuria was noted one day after
 total irradiation with 500 r and attained a
 maximal value (approximately five times greater
 than the control level) on the second day,
 increasing in pace with the severity of the
 clinical symptoms of radiation sickness. Among
 rats irradiated with the same dose on the 19th
 day of pregnancy, creatinuria was considerably
 greater than among those irradiated on the 11th
 or 12 day of pregnancy and higher, too, than
 that seen in nonpregnant rats. An especially
 Card: 1/2

Country :USSR
Category= :Human and Animal Physiology, Physical Factors T

Abs. Jour. :Ref Zhur Biol, No. 2, 1959, No. 8589

Author :
Institut. :
Title :

Orig. Pub. :

Abstract :abrupt rise in creatinuria was noted among rats
irradiated while giving birth. The authors
consider the level of creatine excretion as an
index of the radiosensitivity of an organism.
--E.B.Glikson

Card: 2/2

Braun, A.D.

~~PUNCHENOK, N.A., BRAUN, A.D.~~

Creatinuria in the newborn [with summary in English]. Vop.med.
khim. 4 no.1:50-58 Ja-F'58 (MIRA 11:5)

1. Otdelniye novorozhdennykh i biokhimicheskaya laboratoriya
Instituta akusherstva i ginekologii AMN SSSR, Leningrad.

(CREATINE, in urine

in newborn, dterm. (Rus))

(INFANT, NEWBORN,

creatine metab. & excretion (Rus))

BRAUN, A.D., NEMCHINSKAYA, V.L.

Interaction of adeninetriphosphate with dyes [with summary in English]
Biokhimiia 23 no.3:359-365 My-Je '58 (MIRA 11:8)

1. Laboratoriya tsitokhimii Instituta tsitologii AN SSSR, Leningrad.
(ADENYLPHOSPHATE,
interaction with dyes (Rus))
(DYES, STAINS AND STAINING,
interaction with ATP (Rus))

BRAUN, A.D.; FIZHENKO, N.V.

Alteration of frog erythrocytes induced by adenosine triphosphate
and sodium pyrophosphate. TSitologiya 2 no.6:717-723 N-D '60.
(MIRA 13:12)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR,
Leningrad.

(ERYTHROCYTES)

(ADENOSINE TRIPHOSPHATE)

(SODIUM PYROPHOSPHATES)

BRAUN, A. D., GANELINA, S.H. (USSR)

"Combined Structural and Chemical Basis for the Increased
Resistance of Stretched Muscle to Injurious Agencies."

Report presented at the 5th Int'l. Biochemistry Congress,
Moscow, 10-16 Aug 1961

PUNCHENOK, N.A.; BRAUN, A.D.

Saturation of the blood with oxygen and excretion of creatine in
premature infants. Vop. okhr. mat. i det. 6 no. 1:6-10 Ja '61.
(MIRA 14:4)

1. Iz otdeleniya novorozhdennykh Instituta akusherstva i
ginekologii AMN SSSR (nauchnyy rukovoditel' - deystvitel'nyy
chlen AMN SSSR prof. A.F. Tur) i laboratorii tsitokhimii
Instituta tsitologii AN SSSR (zav. - doktor biologicheskikh nauk
A.D. Braun).

(INFANTS (PREMATURE)) (BLOOD—OXYGEN CONTENT)
(CREATINE)

BRAUN, A. D., NEMCHITSKAYA, V. L., and SOKOLOVA, V. I., (USSR)

"Release of Proteins Amino Acids and Carnosine from Resting
and Excited Skeletal Muscles (read by title)."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

BRAUN, A.D.; NEMCHINSKAYA, V.L.

"Biochemical cytology" by J.Brachet. Reviewed by A.D.Braun,
V.L.Nemchinskaja. TSitologiya 3 no.3:362-366 My-Je '61.
(CYTOLOGY) (BIOCHEMISTRY) (BRACHET, J.) (MIRA 14:6)

FRAUN, A.D.

Great son of the Russian people; the 250th anniversary of his birth
of M.V.Lomonosov. TSitologiya 3 no.5:505-513 S-0 '61.

(LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765) (MIRA 14:10)

NEMCHINSKAYA, V.L.; BRAUN, A.D.

Changes in the characteristics of isolated cell nuclei in the
course of survival and during the action of stimuli. TSitologiya
4 no.4:409-417 J1-Ag '62. (MIRA 15:9)

1. Laboratoriya biokhimi kletki Instituta tsitologii AN SSSR,
Leningrad.

(CELL NUCLEI)

BRAUN, A. D. and NEMCHINSKAYA, V.L.

"Change in the Properties of Isolated Cell Nuclei of the Thymus Gland outside the Body and under the Influence of Stimuli." pp. 6

Institute of Cytology AS USSR Laboratory of Cell Biochemistry

II Nauchnaya Konferentsiya Instituta Tsitologii AN USSR. Tezisy Dokladov
(Second Scientific Conference of the Institute of Cytology of the Academy of Sciences USSR, Abstracts of Reports), Leningrad, 1962 88 pp.

JPRS 20,634

BRAUN, A. D. and FIZHENKO, N. V.

"Resistance of Erythrocytes and Their Proteins to the Effect of Heat and Some Other Denaturants in Frogs." pp. 7

Institute of Cytology AS USSR Laboratory of Cell Biochemistry

II Nauchnaya Konferentsiya Instituta Tsitologii AN USSR. Tezisy Dokladov
(Second Scientific Conference of the Institute of Cytology of the Academy of Sciences USSR, Abstracts of Reports), Leningrad, 1962 88 pp.

JPRS 20,634

BRAUN, A. D.; NESVETAYEVA, N. M.; FIZHENKO, N. V.

"The relation between denaturation capacity of proteins
and resistance of cells and tissues to damage."

UNESCO - International Symposium on the Role of Cell Reactions in Adaptations
of Metazoa to Environmental Temperature.

Leningrad, USSR, 31 May - 5 June 1963

BRAUN, Aleksandr Davydovich, doktor biol. nauk; SOROKO, Ya.I.,
red.; RAKITIN, I.T., tekhn. red.

[Riddles of irritability] Zagadki razdrazhimosti. Moskva, Izd-vo "Znanie," 1963. 46 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Biologiya i meditsina, no.13)

(IRRITABILITY)

(MIRA 16:7)

BRAUN, A.D.; SOKOLOVA, V.I.

Content of different forms of creatine in the skeletal muscles of frogs during rest and during the action of a hypertonic solution of sodium chloride. Tsitologiya 4 no.6:680-684 N-D'62 (MIRA 17:2)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR, Leningrad.

BRAUN, A.D.

Seminar on cell physiology and biochemistry at the Institute
of Cytology of the Academy of Sciences of the U.S.S.R. TSito-
logia 5 no.4s479-481 JL-Ag '63. (MIRA 1788)

BRAUN, A.D.; NESVETAYEVA, N.M.; FIZHENKO, N.V.

Resistance of actomyosin in the myocardium and skeletal muscles
to the denaturing effect of heat, ethyl alcohol and urea.

TSitologiya 5 no.3:335-338 My-Je '63. (MIRA 17:5)

1. Laboratoriya biokhimii kletki Instituta tsitologii AN SSSR,
Leningrad.

L 00970-66

ACCESSION NR: AR5015894

UR/0299/65/000/009/R027/R027
577-3

SOURCE: Ref. zh. Biologiya. Svochnyy tom, Abs. 5R173

AUTHOR: Braun, A.D.; Nesvetayeva, N.M.; Fizhenko, N.V.

TITLE: Connection between the resistance of cells and tissues to injury and the denaturing capacity of proteins

CITED SOURCE: Sb. Kletka i temperatura sredy. M.-L., Nauka, 1964, 228-232

TOPIC TAGS: protein, histology, cell physiology

TRANSLATION: Data are given showing the presence of a positive correlation between the thermostability of organisms and that of proteins secreted by them. It is noted that when the thermostability of the proteins is increased, their resistance to other denaturing agents (alcohol, hydrostatic pressure) also increases.

SUB CODE: IS

ENCL: 00

Card 1/1

NEMCHINSKAYA, V.I.; GAGELINA, L.S.; BRAUN, A.D.

Possible role of histones in controlling glycolysis in the
caryous nuclei. Biokhimiya 50 no.1:59-58 Jan-F '65.

(MIRA 18:6)

1. Laboratoriya biokhimi kletki Instituta tsitologii AN SSSR,
Leningrad.

BRAUN, A.C.; BELYCHEV, A.G.; GANFLINA, L.S.; NEMCHINSKAYA, V.I.;
NEVETAYEVA, N.M.

Effect of injuring factors on intracellular structures.
TSitologiya 7 no.4:494-500 J1-Ag '65. (MIRA 13:9)

BRAUN, A.F.

AUTHOR BRAUN, A.F. 53-5-5/10
TITLE Surface Phenomena in Plastic Deformations of Metals
(*Poverkhnostnyye yavleniya pri plasticheskoy deformatsii metallov.*
Russian)
PERIODICAL Uspekhi Fiz.Nauk, 1957, Vol 62, Nr 3, pp 305 - 355 (U.S.S.R.)
ABSTRACT This article is a condensed translation from "Advances in Physics",
1, 427, 1952. The following chapters are translated:

I. Introduction

- 1.1) inhomogeneous plastic deformation
- 1.2) relation between stress and deformation

II. Data concerning the deformation of crystals

- 2.1) investigations of sliding phenomena by means of the electron microscope
- 2.2) investigations of sliding phenomena by the normal microscope
- 2.3) explanation of the microstructure of sliding bands
- 2.4) sudden deformation
- 2.5) measuring of sliding distances by an interferometer

III. Does the surface state of a metal characterize the volume of deformation ?

Card 1/2

53-3-3/10

Surface Phenomena in Plastic Deformations of Metals

- 3.1) sliding processes within the metal
- 3.2) influence exercised by surface treatment on the development of sliding bands on the surface
- 3.3) micro sliding phenomena
- 3.4) methods of investigation of the motion within a crystal
 - IV. Theory explaining the distance between the sliding bands
 - V. Theory explaining the sliding bands
 - VI. Influence of the surface state on the mechanic properties of the metal
 - VII. The nature of sliding bands
 - VIII. Sliding processes

(With 77 illustrations and 26 Slavic references)
Not given

Library of Congress

ASSOCIATION
PRESENTED BY
SUBMITTED
AVAILABLE
Card 2/2

BRAUN, A.V. (Karaganda)

Pathological morphology and problems of pathogenesis in glomerulo-nephritis; experimental study. Arkh.pat. 27 no.7:25-32 '65.

(MIRA 18:8)

1. Kafedra patologicheskoy anatomii (zav. - prof. P.P.Ochkur)
Kazakhskogo meditsinskogo instituta i kafedra patologicheskoy
anatomii (zav. -- dotsent Kh.S.Nugmanova) Karagandinskogo meditsinskogo
instituta.

BRAUN, A.V.

Experimental nephritis. Zdrav. kazakh. 21 no.12:34-37 '61.
(MIRA 15:3)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. P.P. Ochkur) ~~Karagandinskogo~~ meditsinskogo instituta i kafedry patologicheskoy anatomii (zav. - dotsent Kh.S. Nugmanova) Karagandinskogo meditsinskogo instituta.

(KIDNEYS—DISEASES)

BRAUN, Bogdan, mgr inz.

New structural concept of a Dorra clarifier penetrating
saturated soil. Inz 1 bud 21 no.4:141-143 Ap '64.

1. Design Office of Communal Building, Warsaw.

COUNTRY	: GDR	G-3
CATEGORY	:	
ABS. JOUR.	: RZKhim., No. 21 1959, No.	75072
AUTHOR	: Gieseemann, H. and Braun, D.	
INST.	: Not given	
TITLE	: The Reaction of DL-Phenylalanine with N,N-carbonyl-diimidazole	
ORIG. PUB.	: J prakt Chem, 8, No 1-2, 39-43 (1959)	
ABSTRACT	: The reaction of DL-phenylalanine (I) with N,N-carbonyldiimidazole (II) instead of the expected phenylalanine-N-carboxy anhydride (III) gives N,N-carbonyldiphenylalanine (IV) and imidazole (V). The structure of IV has been proved by conversion with CH_2N_2 to the dimethyl ester of IV (VI) and by heating with HCl to give 5-benzyl-hydantoin- β -phenylpropionic acid. A suspension of 4.9 gms I and 9.67 gms II in 200 ml abs tetrahydrofuran is heated until solution is	

CARD: 1/3

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COUNTRY	:	GDR	G-3
CATEGORY	:		
ABS. JOUR.	:	AZKhim., No. 21 1959, No.	75072
AUTHOR	:		
DATE	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	complete (225 min), the solution is filtered, precautions being taken to keep out moisture, and the hydrochloride of V is precipitated with hydrogen chloride in tetrahydrofuran; the filtrate is concentrated, the residue is dissolved in 200 ml 10% NaOH, filtered again, and acidified with 20% HCl with reflux: the yield of IV is 42.4%, decomp temp 184-185°. When a second method for the removal of V is used (distillation of solvent, addition of water at pH 8-9,	
CARD:		2/3	

COUNTRY : GDR
 CATEGORY : 3-3
 ABS. JOUR. : RZKhim., No. 21 1959, No. 75072
 AUTHOR :
 INST. :
 TITLE :
 ORIG. PUB. :
 ABSTRACT : filtration of the emulsion, and acidification),
 the yield of crude product is 79.9%. 500 gms
 IV in 20 ml aces CH_3OH are treated for 1 hr with
 10 ml of an ether solution of CH_2I_2 (20 mg/ml),
 the solution is evaporated under vacuum, the
 residue is dissolved in CH_3OH , and VI, mp 163-
 164°, is isolated. The hydrolysis of IV with
 6 N HCl in a sealed ampule (24 hrs) gives I.
 Solutions of III and V in tetrahydrofuran on re-
 fluxing give poly-D,L-phenylalanine.
 A. Yurkevich

CARD: 3/3

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BRAUN, D.A.

~~XXXXXXXXXXXXXXXXXXXX~~
An apparatus for thawing out loose materials frozen in railroad
cars. Stal' 7 no.1:77 '47. (MLRA 9:1)
(Thawing) (Loading and unloading)

18 (3),(5),(5); 25(1)

PHASE I BOOK EXPLOITATION

SOV/1870

Razygrayev, Aleksandr Matveyevich, and David Anisimovich Braun

Tekhnologiya metallov (Metal Processing) Moscow, Gosstroyizdat, 1958. 322 p.
Errata slip inserted. 25,000 copies printed.

Scientific Ed.: Ya. M. Ayzenberg, Engineer; Ed.: V.I. Zakharenko and
P.A. Gordeyev; Tech. Ed.: L.Ya. Medvedev and E.M. El'kina.

PURPOSE: This is a textbook on metals and metal processing for students specializing in mechanics at construction tekhnikums. It may also be useful as a manual for machinists working in industry.

COVERAGE: The book consists of five self-contained parts in which are examined various processes having different theoretical foundation but connected by the common properties of metals and based on knowledge acquired by students in courses in chemistry, physics, and engineering mechanics. Information is given on the metallurgy of cast iron, steel, copper, and aluminum, and the structure and properties of metals and alloys are discussed. The book also discusses founding and the forming and cutting of metals and gives information on machine tools.

Card 1/12

Metal Processing

80V/1870

No personalities are mentioned. There are no references.

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PART 1. FUNDAMENTALS OF FERROUS AND NONFERROUS METALLURGY

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3. Fuel

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4. Fluxes

13

5. Refractories

13

Ch. II. Cast Iron Production

6. Blast furnace construction

14

7. Auxiliary equipment for blast furnace

14

8. Blast furnace process

17

9. Products of blast furnace smelting

19

21

2/12

BRAUN, D.A., and .tekhn.nauk

Effect of heat treatment on the strength and wear resistance
of excavator parts. Sbor.trud.MISI no.26:253-262 '58.
(MIRA 12:1)

(Metals--Heat treatment)

BRAUN, D.A., dotsent, kand.tekhn.nauk; VAYNSON, A.A., kand.tekhn.nauk;
DZHUNKOVSKIY, N.N., dotsent; ZIMIN, P.A., kand.tekhn.nauk;
VERDNIKOV, G.V., nauchnyy red.; KRYUGER, Yu.V., red.izd-va;
EL'KINA, E.M., tekhn.red.

[Manual for building machinery operators] Spravochnik mekhanika
po ekspluatatsii stroitel'nykh mashin. Pod red. P.A.Zimina.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam,
1960. 567 p. (MIRA 13:10)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organi-
zatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Building machinery--Maintenance and repair)

BRAUN, D. A., dotsent, kand. tekhn. nauk

Controlling congelation of coals, ores, and ground in strip
mining. Sbor. trud. MISI no.39:476-477 '61. (MIRA 16:4)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V. V.
Kuybysheva.

(Strip mining—Cold weather conditions)

BRAUN, D. A., dotsent, kand. tekhn. nauk

Controlling congelation of coals, ores, and ground in strip
mining. Sbor. trud. MISI no.39:476-477 '61.
(MIRA 16:4)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V. V.
Kuybysheva.

(Strip mining—Cold weather conditions)

BRAUN, David Anisimovich; RYB'YEV, I.A., prof., doktor tekhn. nauk,
retsenzent; GRINBERG, B.G., prof., retsenzent; KOROVNIKOV,
B.D., dots. kand. tekhn. nauk, retsenzent; AVERKIYEV, V.I.,
dots. kand. tekhn. nauk, retsenzent; BOCHAROVA, Yu.F., red.

[New materials in engineering] Novyya materialy v tekhnike.
Moskva, Vysshaia shkola, 1965. 194 p. (MIRA 18:10)

BRAUN, David Anisimovich, dots. kand. tekhn. nauk; RAZYGRAYEV,
Aleksandr Matveyevich, inzh.; PESHKOV, Ye.O., retsenzent;
KHAYUTIN, G.M., retsenzent; BOCHAROVA, Yu.F., red.

[Technology of metals and structural materials] Tekhnolo-
giia metallov i konstruktsionnye materialy. Moskva, Vys-
shaia shkola, 1965. 373 p. (MJRA 18:12)

BRAUN, D.B.

Macromolecular heteroorganic compounds. Usp.khim. 31 no.6:
769-792 Je '62. (MIRA 15:5)
(Organometallic compounds) (Polymerization)

BRAUN, D.D., student (Moskva)

Course and outcome of pregnancy in appendicitis. Fel'd. 1 akush. 26
no.11:19-21 N '61. (MIRA 15:2)
(PREGNANCY, COMPLICATIONS OF) (APPENDICITIS)

FOLDI, Mihaly, dr.; FOLDES, Janos, dr.; SOLTI, Ferenc, dr.; ~~Technikai~~ közre-
mukodesevel TAKACS, Ferenc; BRAUN, Erzsebet

The mechanism of early thyroxin tachycardia. Orv. hetil. 103 no.11:
492 18 Mr '62.

1. Budapesti Orvostudományi Egyetem, I sz Belklinika es a Szegedi
Orvostudományi Egyetem, II sz. Belklinika.

(TACHYCARDIA etiol) (THYROXIN toxicol)

SOLTI, Ferenc, dr.; FOLDI, Mihaly, dr.; Technikai munkatars: BRAUN, Erzsebet

Effect of hyason on low-voltage ECG tracings. Orv. hetil. 103 no.15:
681-684 15 Ap '62.

1. Budapesti Orvostudományi Egyetem, I Belklinika.

(ELECTROCARDIOGRAPHY pharmacol)

(HYALURONIDASE pharmacol)

SOLTI, F.; ISKUM, M.; BRAUN, E., technical munkatars

The effect of decrease in circulating blood volume on the
blood pressure and venous tone. Kiserl. orvostud. 15
no. 3:300-304 Je '63.

1. Budapesti Orvostudományi Egyetem I. sz. Belklinikája.
(BLOOD VOLUME DETERMINATION) (BLOOD PRESSURE DETERMINATION)
(ISCHEMIA)

SOLTI, F.; KOMAROMI, I.; SIMONYI, G.; ISKUM, M.; REV, Judit; REFI, Z.
with the technical assistance of BRAUN, E.

Effect of hypoxia on venous pressure in the brain. Acta physiol. acad.
sci. hung. 23 no.1:9-12 '63.

1. First Department of Medicine and Department of Neuropathology,
Medical University, Budapest.
(CEREBRAL ANOXIA) (BLOOD PRESSURE) (BRAIN)
(SYMPATHOLYTICS)

SOLTI, Ferenc, dr.; REV, Judit, dr.; technikai munkatars: BRAUN, Erzsebet

Changes in sweat excretion in acute kidney diseases. Orv. hetil.
104 no.19:886-887 12 My '63.

1. Budapesti Orvostudományi Egyetem, I. Belklinika.

(SWEAT)	(NEPHRITIS)	(MAGNESIUM)	(POTASSIUM)
(SODIUM)	(WATER-ELECTROLYTE BALANCE)	(PYELONEPHRITIS)	

CHICHINADZE, A.V., kand. tekhn. nauk; BRAUN, E.D., inzh.

Simulated testing of the friction pairs of railroad brakes. Vest.
mashinostr. 44 no.8:32-36 Ag '64.

(MIRA 17:9)

BRAUN, E.D. (Moskva); CHICHINADZE, A.V. (Moskva); SMIRNOVA, R.G. (Moskva);
BAYKOV, V.V. (Moskva)

Simulation of the braking process on the IM-58 friction machine.
Mashinovedenie no.2:105-115 '65.

(MIRA 18:8)

CHICHINADZE, A.V., kand.tekhn.nauk; BRAUN, E.D., inzh.

Inertia machine for full-scale testing of friction pairs. Vest.
mashinostr. 45 no.3:48-50 Mr '65.

(MIRA 18:4)

BEREKHTIN, A.G., glav. red. [deceased]; AVALIANI, G.A., red.;
BRAUN, G.A., red.; GUDZHEDZHIANI, B.I., red.;
DZIDZIGURI, A.A., red.; DOLIDZE, D.P., red.
KERESELIDZE, K.G., red.

[Chiatura manganese deposit] Chiaturskoe mestorozhdenie
margantsa. Moskva, Izd-vo "Nedra," 1964. 243 p.
(MIRA 17:6)

1. Georgia. Geologicheskoye upravleniye.